

2/5/1

013251600 \*\*Image available\*\*

WPI Acc No: 2000-423483/200036

XRPX Acc No: N00-315940

Element for transferring motion in injection valve - has gap between outer wall of inner part and inner wall of outer part sized to form connection between chamber bounded by telescopic parts and another vol., preventing outflow for temporary pressure rise in chamber

Patent Assignee: SIEMENS AG (SIEI )

Inventor: FITZNER S; KLUEGL W; LEHMANN S; LEWENTZ G; SCHMUTZLER G; FITZNER J

Number of Countries: 020 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200034645	A1	20000615	WO 99DE3818	A	19991201	200036 B
DE 19856617	A1	20000621	DE 1056617	A	19981208	200037

Priority Applications (No Type Date): DE 1056617 A 19981208

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200034645 A1 G 18 F02M-047/02

Designated States (National): JP US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE

DE 19856617 A1 H02N-002/04

Abstract (Basic): WO 200034645 A

The transfer element transfers movement from a piezo actuator (2) to a control element (5) with a play compensating transfer element (3) with an outer (32) and an inner (31) part which engage each other in telescopic length variable manner, forming a chamber (322) in the vol. bounded by the inner and outer parts.

The gap between the outer wall of the inner part and the inner wall of the outer part is sized to form a connection between the chamber and another vol. (8), preventing outflow for a temporary pressure rise in the chamber.

USE - Common rail fuel injection valve for internal combustion engines, e.g. diesel and Otto-engines.

ADVANTAGE - Reliable operation with simple design.

Dwg.1/1

Title Terms: ELEMENT; TRANSFER; MOTION; INJECTION; VALVE; GAP; OUTER; WALL; INNER; PART; INNER; WALL; OUTER; PART; SIZE; FORM; CONNECT; CHAMBER; BOUND; TELESCOPE; PART; VOLUME; PREVENT; OUTFLOW; TEMPORARY; PRESSURE; RISE; CHAMBER

Derwent Class: Q51; Q53; V06; X22

International Patent Class (Main): F02M-047/02; H02N-002/04

International Patent Class (Additional): F01L-001/24; F02M-051/06; F02M-059/46

File Segment: EPI; EngPI

Derwent WPI (Dialog® File 351): (c) 2002 Derwent Info Ltd. All rights reserved.

© 2002 The Dialog Corporation plc